

COMPOSITE CARRIER PEAK LIMITING METHOD**Abstract of the Invention**

A method for reducing the PAR of a composite carrier includes obtaining the in-phase
5 and quadrature components for each of the carriers in the composite carrier, computing vector
magnitudes corresponding to each carrier, then adding the vector magnitudes and comparing
the resulting sum to a threshold. If the sum exceeds the threshold, at least of the one of the
carriers are attenuated, thereby reducing the PAR of the composite carrier. In one
embodiment, only the carrier or carriers having significantly larger vectors are attenuated.
10 The pre-calculation and the subsequent attenuation process allows the composite carrier PAR
to be reduced to avoid peak regrowth when the carriers are ultimately combined and
transmitted.

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